REMARKS

Claims 1-10 are rejected under 35 U.S.C.(a) as being unpatentable over the patent issued to Poradish (PN. 5,777,694) in view of Japanese Patent issued to Yamaguchi(JP 02001023290A). Applicants respectfully traverse the rejection for at least the reasons discussed below.

Amended claim 1 recites a color filter assembly rotating around a central axis thereof including a carrier, a color filter, and a plurality of balancing elements. The carrier has a plurality of holes and rotating around the central axis. The color filter is fixed to the carrier. The balancing elements are individually located and radially movable in the holes of the carrier such so that the balancing elements adjust the center of mass of the color filter assembly to be on the central axis. When the balancing elements are appropriately positioned, the balancing elements are fixed on the adjusted position to improve stability of rotation of the carrier.

Poradish discloses a color wheel 15 with plastic film filters comprising a rigid two-piece hub 23 and a plurality of color filter segments 21. The hub 23 has a front piece 23a and a back piece 23b. The front piece 23a and the back piece 23b are attached in a manner that clamps filter segments 21 into place. The front piece 23a has a plastic sleeve 41 protruding from its inner surface. The back piece 23b has a corresponding center opening for receiving the sleeve 41. The hub 23 may be made thicker at mid-portion that the hub 23 is being "mass loaded" around the drive shaft of the color wheel 15 to enhance proper balance. Poradish teaches a method that combines the hub 23 and the color filter segments 21 and mid-portion of the hub 23 is thicker to enhance proper balance. Poradish does not disclose that the hub 23 has any movable components to adjust the hub 23 in the radial direction. That is, Poradish does not disclose the balancing

elements are individually located and radially movable in the holes of the carrier as disclosed in Claim 1. For at least this reason, Claim 1 patently defines the cited art.

Yamaguchi discloses a spindle motor having turntable T. The spindle motor comprises a plurality of balls 1, a magnetic body 2, a cover member 3, a bottom 3a, and a plurality of groove holes 3a. Each of balls 1 put into each of groove holes 3a, and rolling in the groove holes 3a. When the centrifugal force is smaller than the magnetic force from the magnetic body 2 during rotation, the balls 1 rotate toward the direction of the magnetic body 2. When the centrifugal force is larger than the magnetic force from the magnetic body 2, the balls 1 rotate toward the reserve direction of the magnetic body 2. The equilibrium of force changes so that the balls 1 keep rotating in the groove holes 3a to approach a dynamic balance. Yamaguchi discloses that the balls 1 rotate and move in the holes 3a to approach a dynamic balance. That is, Yamaguchi does not disclose that when the balancing elements are appropriately positioned, the balancing elements are fixed on the adjusted position to improve stability of rotation of the carrier, as claimed in claim 1. For at least the reasons described above, Claim 1 patently defines the cited art.

As Poradish and Yamaguchi do not disclose all the limitations of claim 1, claims 2-10 patently define over the cited art at least the same reason.

CONCLUSION

In view of the foregoing, it is believed that all pending claims are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

No fee is believed to be due in connection with this amendment and response to Office Action. If, however, any fee is believed to be due, you are hereby authorized to charge any such fee to deposit account No. 20-0778.

Respectfully submitted,

By: _____

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